# Virtual Matrix

**TV Signal Exchange & Routing Management**

Connect TV channels, studios, and content partners in a shared network for controlled signal exchange, monitoring, and scheduled delivery.

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# Expand your reach and revenue. Simplify operations.

- **Reliability & Business Continuity**

  We own and manage geo-redundant infrastructure in the EU, with round-the-clock NOC monitoring, technical support, and a 99.98% SLA.

- **In-house Development & Technical Expertise**

  We continually develop our own services and infrastructure, automate media operations, and tailor them to specific business needs.

- **Managed Cloud Services**

  For broadcasters, content rights holders, pay-TV and IPTV operators, OTT platforms, and companies launching their own corporate or thematic channels.

- **International Reach**

  - **350+** TV channels
  - **850+** operators
  - **51+** countries

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# Cosmonova Broadcast Service Ecosystem




### COSMO | PLAYOUT

Linear TV and FAST channel origination and management, including broadcast scheduling, live broadcasts, graphics, advertising, and localisation.



### DISTRIBUTION & IP DELIVERY

Licensed TV channel distribution and managed IP signal delivery to operators and platforms, tailored to their technical requirements.



### STREAM ONLINE

Streaming of TV channels and events across websites, apps and social media, with adaptive bitrate playback, CDN delivery, stream protection and analytics.



### VOD PORTAL

A branded OTT service for every screen, with TV channels, live events, VOD, catch-up, time-shift, DRM, access control and monetisation.



### WEBREC

Automated recording and archiving of broadcast output, with Clip Live for creating clips during live broadcasts.



### VIRTUAL MATRIX

Signal exchange between TV channels, rights holders and studios, with access control, preview, signal monitoring and scheduled source switching.

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# Virtual Matrix

## Managed TV Signal Exchange

Virtual Matrix connects broadcasters, TV channels, and rights holders within a shared network, enabling them to exchange television signals between their own facilities and authorised partners.

Participants can manage access permissions, preview and test signals, and schedule signal delivery through a centralised management environment.

## Key Capabilities

- Signal exchange between network participants
- Access permissions for sending and receiving signals
- Signal preview and technical testing
- Communication between studios and broadcast facilities
- Scheduled signal reception and delivery
- Custom configuration and development to meet specific operational requirements

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# Who Uses Virtual Matrix?

**Broadcasters with Live Programming**
Manage incoming and outgoing signals for live broadcasts and scheduled programme delivery.

**Broadcasters with Remote Studios**
Exchange signals between studios and broadcast facilities across different locations.

**TV Channels & Content Rights Holders**
Share television signals with authorised partners for rebroadcasting and receive feeds from other network participants.

# VIRTUAL MATRIX BENEFITS

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1

### SIMPLIFIED SIGNAL EXCHANGE

Exchange TV signals with other channels and authorised network participants.

2

### CENTRALISED CONTROL

Manage signal access, reception and delivery through a common management environment.

3

### REMOTE STUDIO CONNECTIVITY

Connect broadcast facilities and exchange feeds between geographically separate locations.

4

### CONTROLLED PARTNER ACCESS

Define permissions for sending and receiving television signals.

5

### SIGNAL VERIFICATION

Preview and test incoming signals before they are used for broadcasting.

6

### SCHEDULED OPERATIONS

Plan signal reception and delivery according to broadcast schedules.

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# VIRTUAL MATRIX FUNCTIONALITY

- SDI signal input
- SDI signal output
- Signal delivery to authorised network participants
- Signal distribution within the client's own network
- Signal routing configuration and testing
- Visual overview of signal routing
- Request-based signal management
- Scheduling of signal reception and delivery



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# Simplify Your TV Signal Exchange

**Discover how Virtual Matrix can support signal routing, partner connectivity, and day-to-day broadcast operations.**

Contact Cosmonova Broadcast to discuss your signal exchange requirements:


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